



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY  
AFFAIRS (PERA)  
BOARD AND CODE ADMINISTRATION DIVISION

## NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/pera](http://www.miamidade.gov/pera)

Sunshine Windows Manufacturing, Inc.  
1745 W. 33<sup>rd</sup> Place  
Hialeah, FL 33012

### SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

### DESCRIPTION: Series "1650 (XOX)" Aluminum Horizontal Sliding Window – N.I.

**APPROVAL DOCUMENT:** Drawing No. **HR08-01**, titled "Series 1650 Aluminum Horizontal Sliding Window (XOX)", sheets 1 through 7 of 7, dated 7/29/08, with revision #1 dated 03/09/12, prepared by manufacturer, signed and sealed by Francisco Hernandez, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

### MISSILE IMPACT RATING: None

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises** NOA # **08-0820.11** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



*MP*  
5/10/12

NOA No. 12-0320.03  
Expiration Date: August 19, 2013  
Approval Date: May 17, 2012  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No **HR08-01**, titled "Series 1650 Aluminum Horizontal Sliding Window (XOX)" Sheets 1 through 7 of 7, dated 7/29/08, with revision #1 dated 03/09/12, prepared by manufacturer, signed and sealed by Francisco Hernandez, P.E.

**B. TESTS**

1. Test reports on: 1) Air Infiltration Test, per TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per TAS 202-94  
3) Water Resistance Test, per TAS 202-94  
4) Forced Entry Test, per FBC 2411.3.2.1 and TAS 202-94  
along with marked-up drawings and installation diagram of an aluminum horizontal sliding window with 1/4" temp. glass, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5353**, dated 09/14/07, signed and sealed by Michael Wenzel, P.E.  
*(Submitted under previous NOA#08-0820.11)*
2. Test reports on: 1) Air Infiltration Test, per TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per TAS 202-94  
3) Water Resistance Test, per TAS 202-94  
4) Forced Entry Test, per FBC 2411.3.2.1 and TAS 202-94  
along with marked-up drawings and installation diagram of an aluminum horizontal sliding window with 1/4" annealed glass, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5354**, dated 09/14/07, signed and sealed by Carlos Rionda, P.E.  
*(Submitted under previous NOA#08-0820.11)*

**C. CALCULATIONS**


1. Anchor verification calculations and structural analysis, complying with FBC-2004, dated July 25, 2008, prepared, signed and sealed by Francisco Hernandez, P.E.  
*(Submitted under previous NOA#08-0820.11)*
2. Glazing complies with ASTM E1300-04

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)

**E. MATERIAL CERTIFICATIONS**

1. None.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 12-0320.03  
Expiration Date: August 19, 2013  
Approval Date: May 17, 2012

**Sunshine Windows Manufacturing, Inc.**


**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

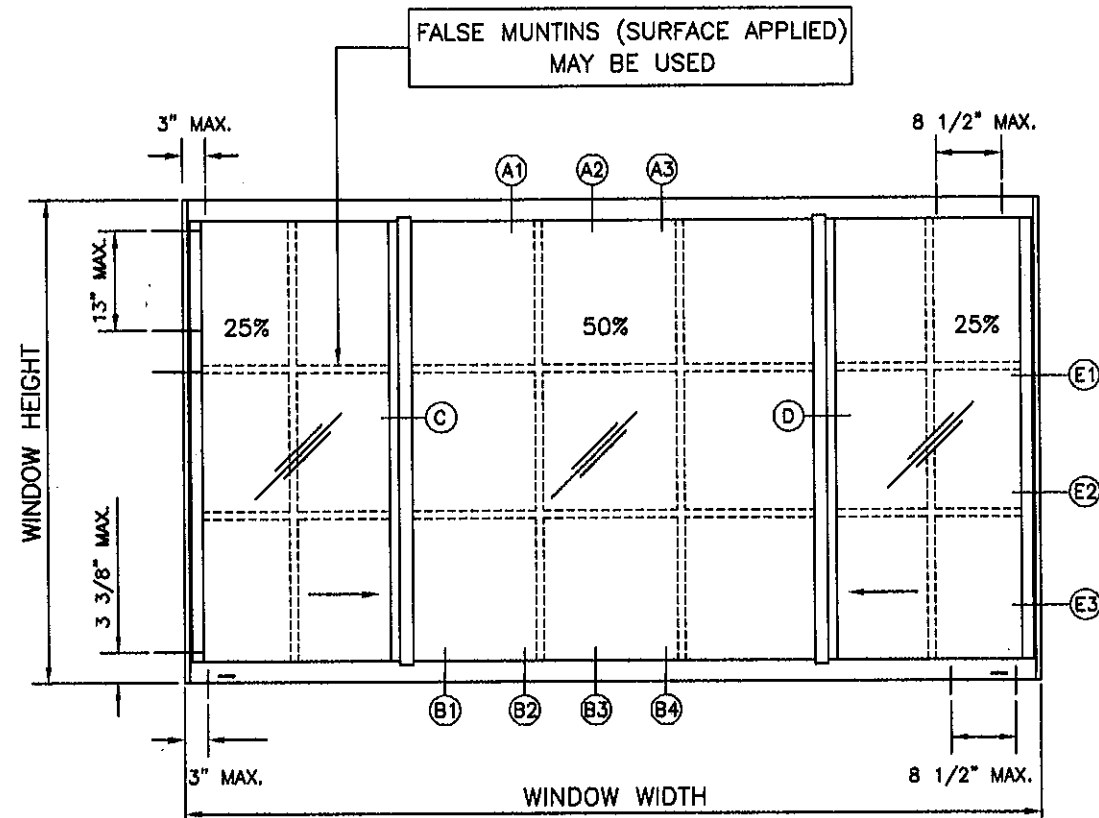
**F. STATEMENTS**

1. Statement letter of conformance, complying with FBC-2010, and of no financial interest, dated March 12, 2012, signed and sealed by Francisco Hernandez, P.E.

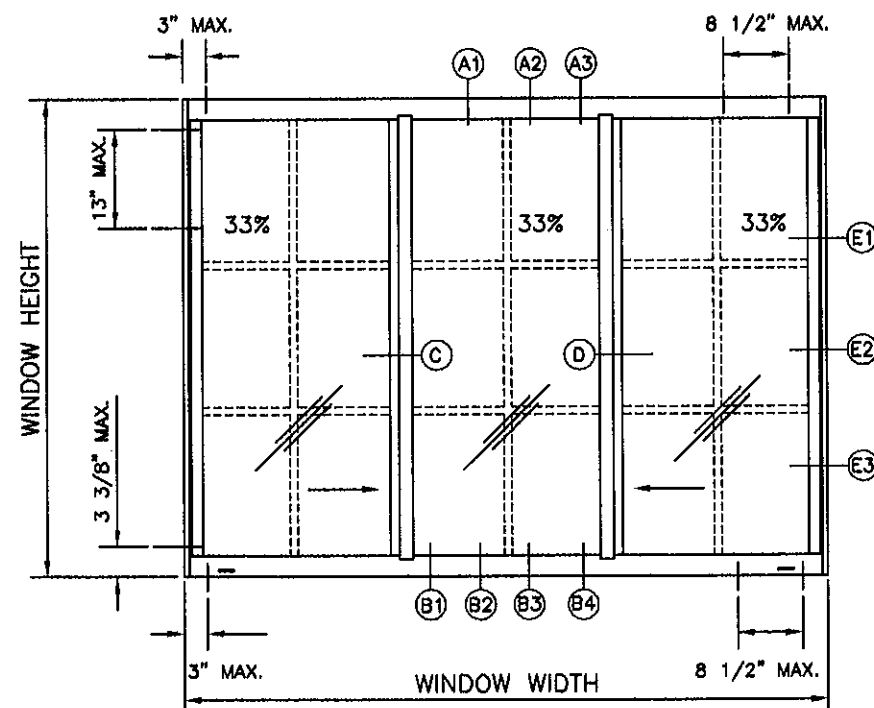
**G. OTHER**

1. Notice of Acceptance No. **08-0820.11**, issued to Sunshine Windows Manufacturing, Inc. for their Series 1650 (XOX) Aluminum Horizontal Sliding Window, approved on 09/25/08 and expiring on 08/19/13.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 12-0320.03  
Expiration Date: August 19, 2013  
Approval Date: May 17, 2012



**TYPICAL ELEVATION (XOX) 25/50/25**



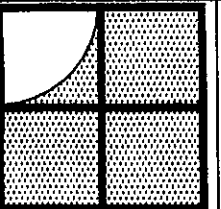
**TYPICAL ELEVATION (XOX) 33/33/33**

**GENERAL NOTES:**

- 1.- THIS PRODUCT MEETS THE REQUIREMENTS OF THE 2010 FBC.
- 2.- XOX CONFIGURATION APPLIES TO 25%-50%-25% PROPORTIONS FOR ALL DIMENSIONS ON CHART. XOX CONFIGURATION APPLIES TO 33%-33%-33% PROPORTIONS FOR WIDTH DIMENSIONS UP TO 84".
- 3.- MIAMI-DADE APPROVED SHUTTERS ARE REQUIRED.
- 4.- FOR NUMBER OF ANCHORS FOR EACH UNIT SIZE REFER TO DESIGN PRESSURES CHART.
- 5.- FOR ATTACHMENT INTO CONCRETE OR MASONRY WITH 1 BY USE 1/4" DIAM. ULTACON BY ELCO WITH 1 1/4" MIN. EMBEDMENT INTO CONCRETE/MASONRY AND 2 1/2" MIN. EDGE DISTANCE. FOR ATTACHMENT INTO 2 BY OR WOODEN STRUCTURE USE 1/4" DIAM. ULTACON BY ELCO WITH 1 1/2" MIN. EMBEDMENT INTO WOOD AND 1" MIN. EDGE DISTANCE. FOR ATTACHMENT INTO METAL USE 1/4" DIAM. GRADE 5 SHEET METAL SCREWS WITH 1" MIN. EDGE DISTANCE.
- 6.- CONCRETE STRENGTH  $f'_c=3,200$  psi MIN., CMU PER ASTM C90, FILLED CMU  $f_m=2,000$  psi MIN.
- 7.- USE NON SHRINK NON METALLIC GROUT 3 KSI MIN. AS REQUIRED.
- 8.- WOOD HOST STRUCTURE SHALL BE "SOUTHERN YELLOW PINE"  $G=0.55$  OR GREATER DENSITY.
- 9.- THE THICKNESS OF THE STEEL/ALUMINUM HOST STRUCTURE SHALL BE NO LESS THAN 1/8". ALUMINUM SHALL BE 6063-T6. STEEL SHALL BE  $F_y=36$  KSI MIN.
- 10.- WOOD BUCKS (BY OTHERS) SHALL BE PROPERLY ATTACHED TO TRANSFER GLAZING SYSTEM LOADS TO THE STRUCTURE AND SHALL BE APPROVED BY BUILDING OFFICIAL PRIOR TO WINDOW INSTALLATION.
- 11.- ALUMINUM IN CONTACT WITH DISSIMILAR MATERIALS SHALL BE PROTECTED (BY OTHERS) AS SPECIFIED IN SECTION 2003.8.4 OF THE 2010 FBC.

**GLASS:**

1/4" ANNEALED OR 1/4" TEMPERED GLASS.



Sunshine Windows  
Manufacturing, Inc.

1745 W. 33rd Place  
Hialeah, Florida 33012  
Ph: (305)364-9952  
Fax: (305)828-5118

**SERIES 1650 ALUMINUM  
HORIZONTAL SLIDING WINDOW (XOX)  
NON-IMPACT RESISTANT GLASS**

No	DATE	REVISION	UPDATED FOR 2010 FBC
1	03-09-12		

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 12-0320-03  
Expiration Date AUG. 19, 2013  
By *Mmanuel Perez*  
Miami Dade Product Control

*Francisco Hernandez*  
3-12-12  
FRANCISCO HERNANDEZ  
FLORIDA, PE # 51393

DRAWING No.

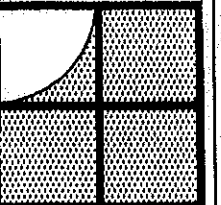
HR08-01

DATE: 07-29-08

SCALE: 1/2"=1"

SHEET 1 OF 7

DESIGN PRESSURES CHART - PSF								
WINDOW DIMENSION		ANCHOR SCHEDULE		1/4" ANNEALED GLASS		1/4" TEMPERED GLASS		
WIDTH	HEIGHT	AT HEAD AND AT SILL	PER JAMB	3" SILL		3" SILL		
				EXTERIOR (+)	INTERIOR (-)	EXTERIOR (+)	INTERIOR (-)	
STANDARD SIZES	74"	26"	9	3	69.30	115.20	69.30	115.20
	108 1/4"		13		69.30	108.90	69.30	108.90
	111"		14		69.30	111.60	69.30	111.60
	74"	38 3/8"	9	4	69.30	86.90	69.30	86.90
	108 1/4"		13		69.30	73.30	69.30	79.00
	111"		14		69.30	69.50	69.30	80.70
	74"	50 5/8"	9	5	67.20	67.20	69.30	74.10
	108 1/4"		13		59.00	59.00	64.40	64.40
	111"		14		58.40	58.40	65.50	65.50
	74"	63"	9	6	48.20	48.20	61.40	61.40
108 1/4"	13		39.60		39.60	56.00	56.00	
111"	14		39.00		39.00	56.80	56.80	
MODULAR SIZES	72"	24"	9	3	69.30	122.50	69.30	122.50
	84"		11		69.30	122.50	69.30	122.50
	96"		12		69.30	120.90	69.30	120.90
	108"		13		69.30	114.60	69.30	114.60
	72"	36"	9	4	69.30	94.00	69.30	94.00
	84"		11		69.30	92.00	69.30	94.00
	96"		12		69.30	84.00	69.30	86.80
	108"		13		69.30	75.30	69.30	81.50
	72"	48"	9	5	69.30	74.40	69.30	79.30
	84"		11		69.30	69.80	69.30	77.60
	96"		12		67.10	67.10	69.30	70.50
	108"		13		63.40	63.40	65.50	65.50
	72"	60"	9	6	52.60	52.60	67.70	67.70
	84"		11		48.00	48.00	67.70	67.70
	96"		12		44.90	44.90	61.50	61.50
	108"		13		42.90	42.90	56.40	56.40



Sunshine Windows  
Manufacturing, Inc.  
1745 W. 33rd Place  
Hialeah, Florida 33012  
Ph: (305)364-8952  
Fax: (305)828-5118

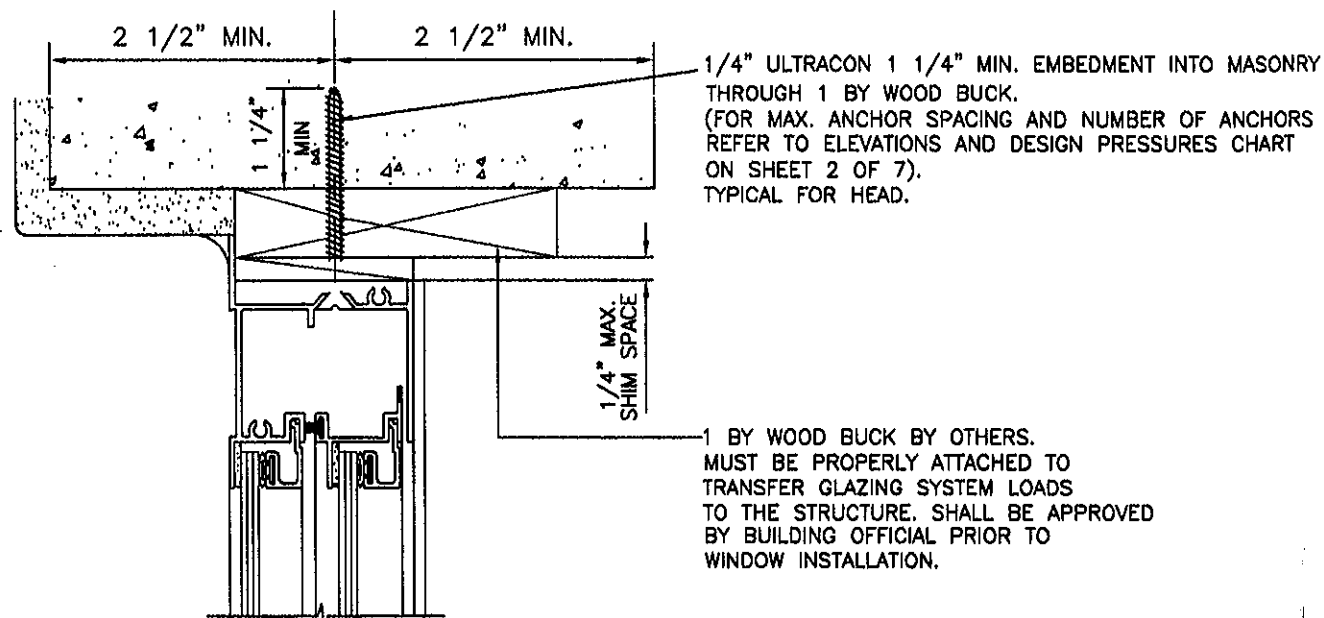
SERIES 1650 ALUMINUM  
HORIZONTAL SLIDING WINDOW (XOX)  
NON-IMPACT RESISTANT GLASS

No	DATE	REVISION	UPDATED FOR 2010 FBC
1	03-09-12		

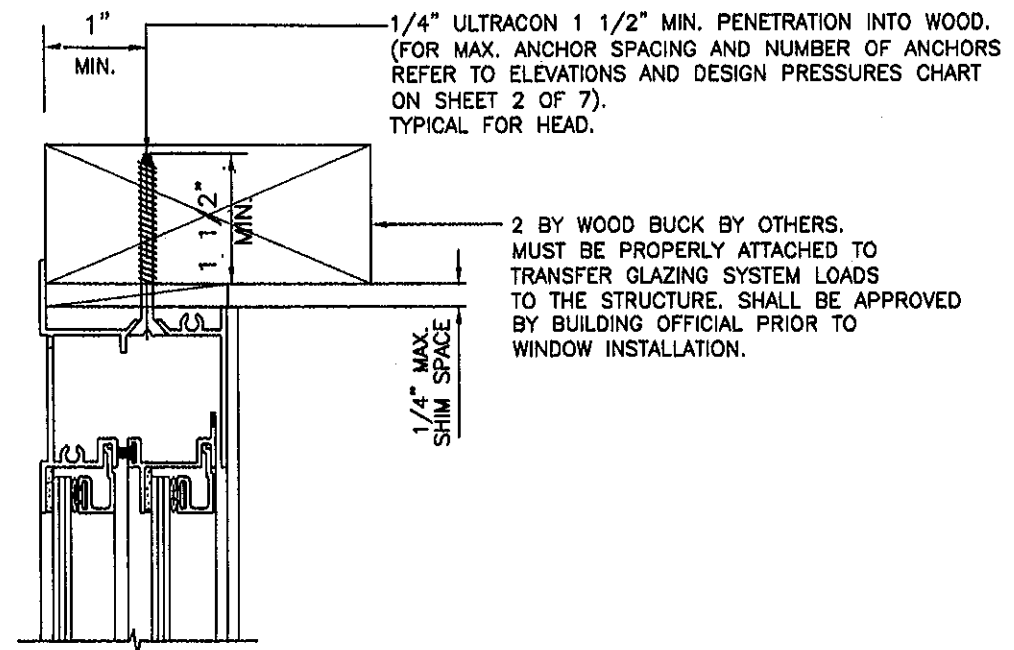
PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 12-0320.03  
Expiration Date AUG. 19, 2013  
By *Manuel Perez*  
Miami Dade Product Control

*Francisco Hernandez*  
3-12-12  
FRANCISCO HERNANDEZ  
FLORIDA PE # 51393

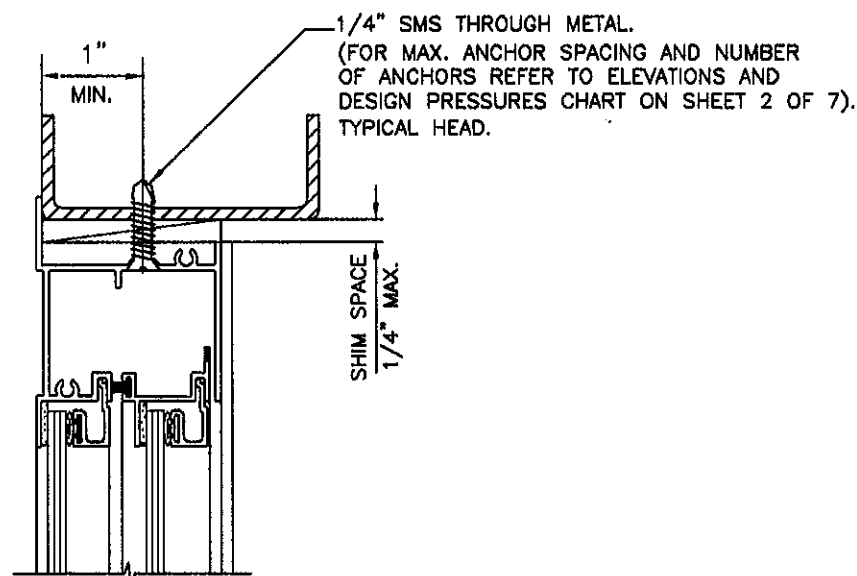
DRAWING No.  
HR08-01  
DATE: 07-29-08  
SCALE: 1/2"=1"  
SHEET 2 OF 7



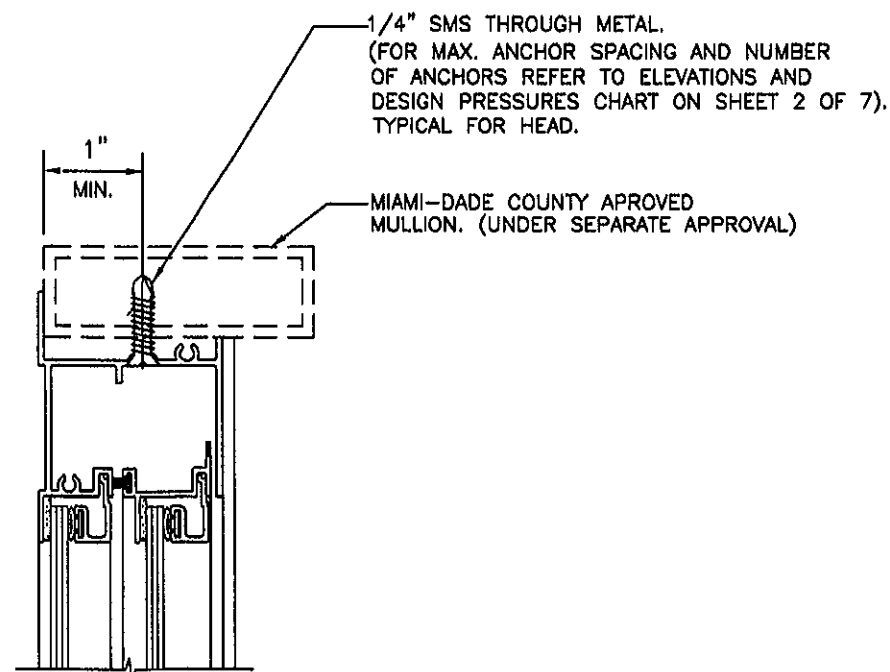
**DETAIL A1**  
**ATTACHMENT TO MASONRY**



**DETAIL A2**  
**ATTACHMENT TO WOOD**



**DETAIL A3**  
**ATTACHMENT TO METAL STRUCTURE**  
(STEEL OR ALUM. 1/8" MIN. THICKNESS)



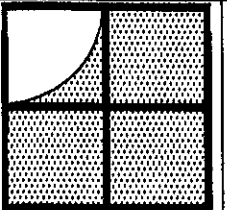
**DETAIL A4**  
**ATTACHMENT TO MULLION**

**TYPICAL HEAD SECTIONS**

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 12-0320.03  
Expiration Date AUG. 19, 2013  
By *Manuel Perez*  
Miami Dade Product Control

*Manuel Perez*  
3-12-12

FRANCISCO HERNANDEZ  
FLORIDA, PE # 51393



Sunshine Windows  
Manufacturing, Inc.  
1745 W. 33rd Place  
Hialeah, Florida 33012  
Ph: (305)364-9852  
Fax: (305)828-5118

SERIES 1650 ALUMINUM  
HORIZONTAL SLIDING WINDOW (XOX)  
NON-IMPACT RESISTANT GLASS

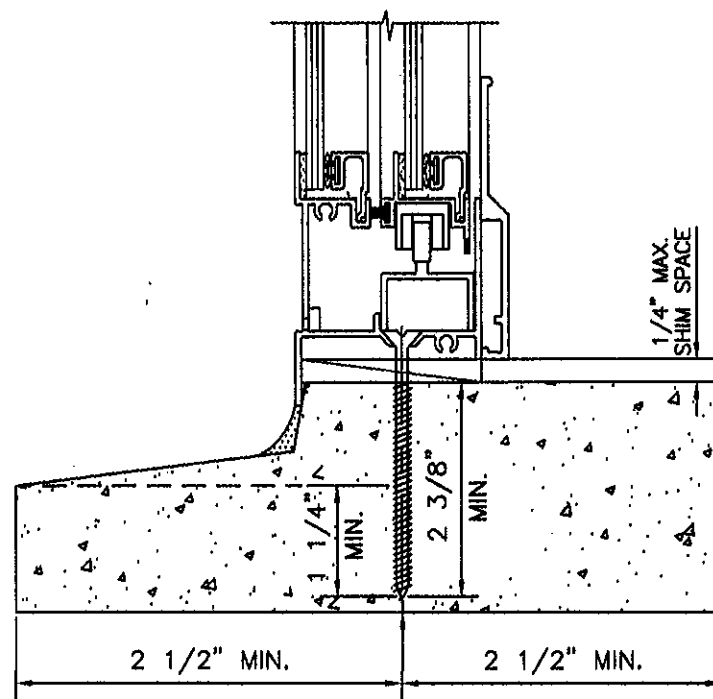
NO	DATE	REVISION
1	03-09-12	UPDATED FOR 2010 FBC

DRAWING No.  
HR08-01

DATE: 07-29-08

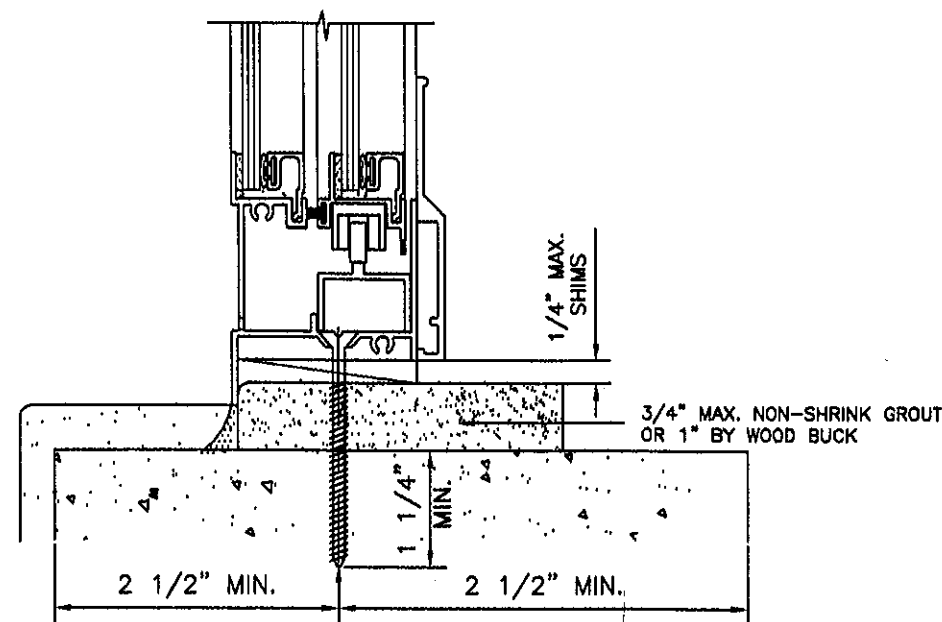
SCALE: 1/2"=1"

SHEET 3 OF 7



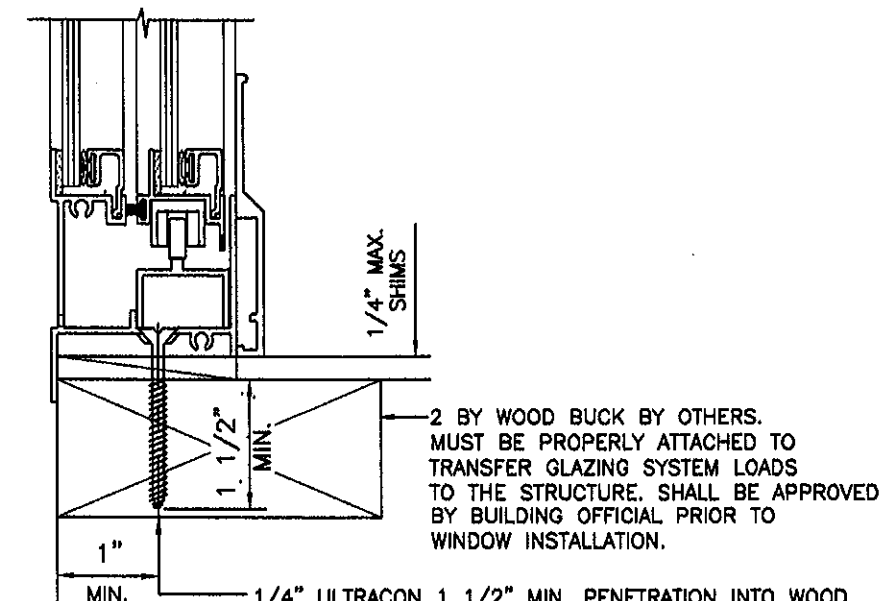
1/4" ULTRACON 1 1/4" MIN. EMBEDMENT INTO MASONRY (FOR MAX. ANCHOR SPACING AND NUMBER OF ANCHORS REFER TO ELEVATIONS AND DESIGN PRESSURES CHART ON SHEET 2 OF 7). TYPICAL FOR SILL ONLY.

**DETAIL B1**  
**ATTACHMENT TO PRE-CAST SILL**



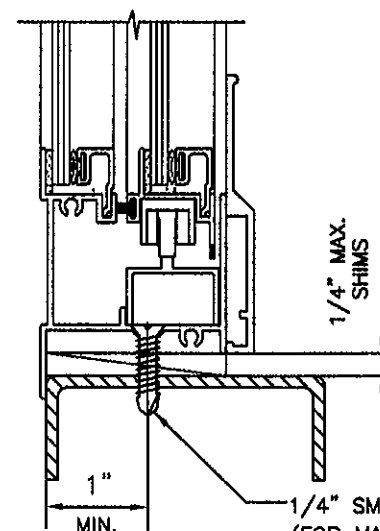
1/4" ULTRACON 1 1/4" MIN. EMBEDMENT INTO MASONRY THROUGH 1" BY WOOD BUCK OR NON-SHRINK NON-METALLIC GROUT (FOR MAX. ANCHOR SPACING AND NUMBER OF ANCHORS REFER TO ELEVATIONS AND DESIGN PRESSURES CHART ON SHEET 2 OF 7). TYPICAL FOR SILL ONLY.

**DETAIL B4**  
**ATTACHMENT TO MASONRY**



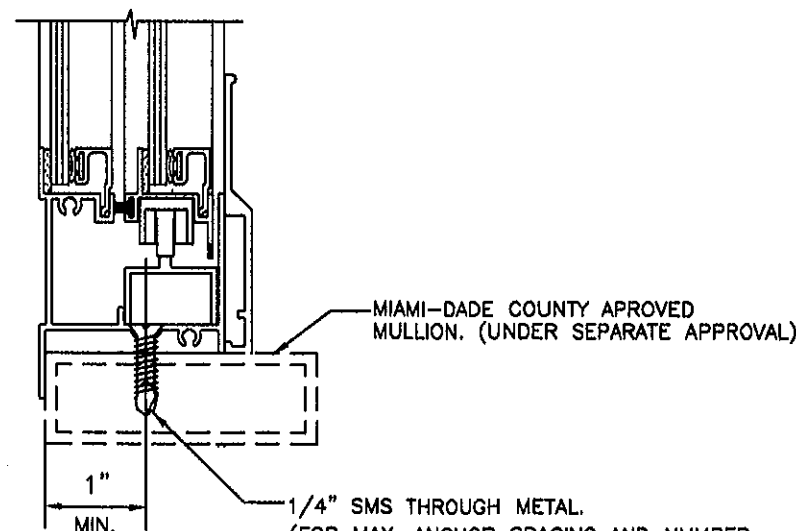
1/4" ULTRACON 1 1/2" MIN. PENETRATION INTO WOOD. (FOR MAX. ANCHOR SPACING AND NUMBER OF ANCHORS REFER TO ELEVATIONS AND DESIGN PRESSURES CHART ON SHEET 2 OF 7). TYPICAL FOR SILL.

**DETAIL B2**  
**ATTACHMENT TO WOOD**



1/4" SMS THROUGH METAL. (FOR MAX. ANCHOR SPACING AND NUMBER OF ANCHORS REFER TO ELEVATIONS AND DESIGN PRESSURES CHART ON SHEET 2 OF 7). TYPICAL FOR SILL.

**DETAIL B3**  
**ATTACHMENT TO METAL STRUCTURE**  
(STEEL OR ALUM. 1/8" MIN. THICKNESS)



MIAMI-DADE COUNTY APPROVED MULLION. (UNDER SEPARATE APPROVAL)

1/4" SMS THROUGH METAL. (FOR MAX. ANCHOR SPACING AND NUMBER OF ANCHORS REFER TO ELEVATIONS AND DESIGN PRESSURES CHART ON SHEET 2 OF 7). TYPICAL FOR SILL.

**DETAIL B5**  
**ATTACHMENT TO MULLION**  
(STEEL OR ALUM. 1/8" MIN. THICKNESS)

**TYPICAL SILL SECTIONS**

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 12-0320.03  
Expiration Date AUG. 19, 2013  
By *Manuel Perez*  
Miami Dade Product Control

*Francisco Hernandez*  
3-12-12

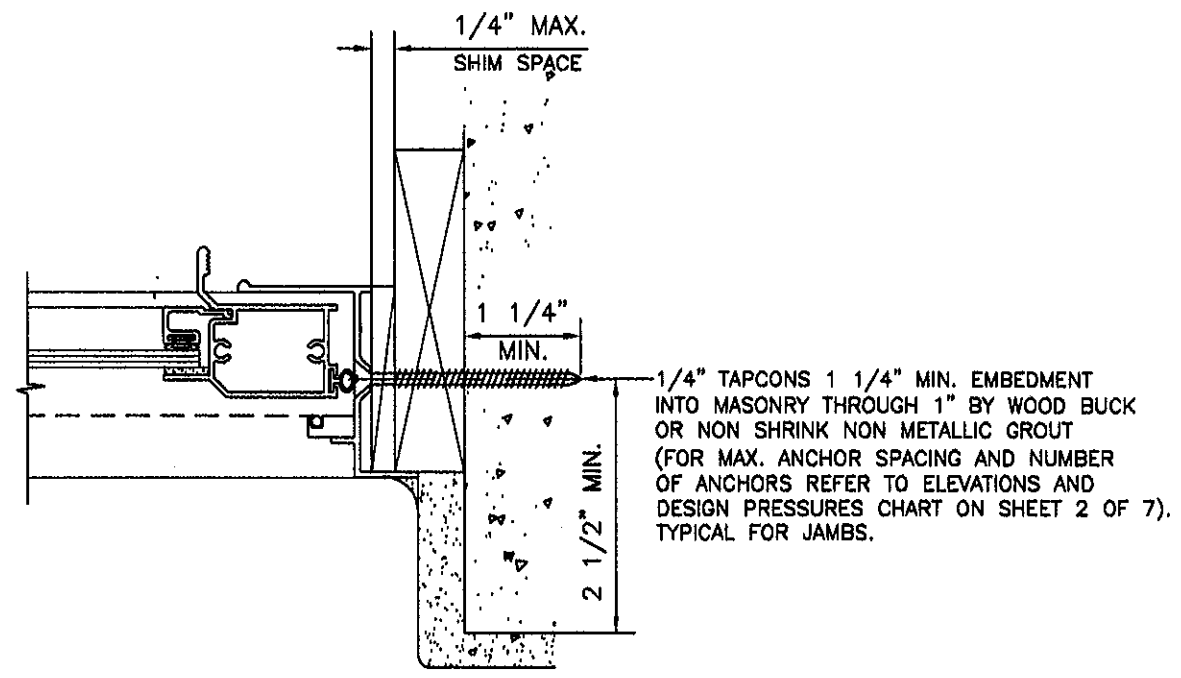
FRANCISCO HERNANDEZ  
FLORIDA PE # 51393

Sunshine Windows  
Manufacturing, Inc.  
1745 W. 33rd Place  
Hialeah, Florida 33012  
Ph: (305)364-9852  
Fax: (305)828-5118

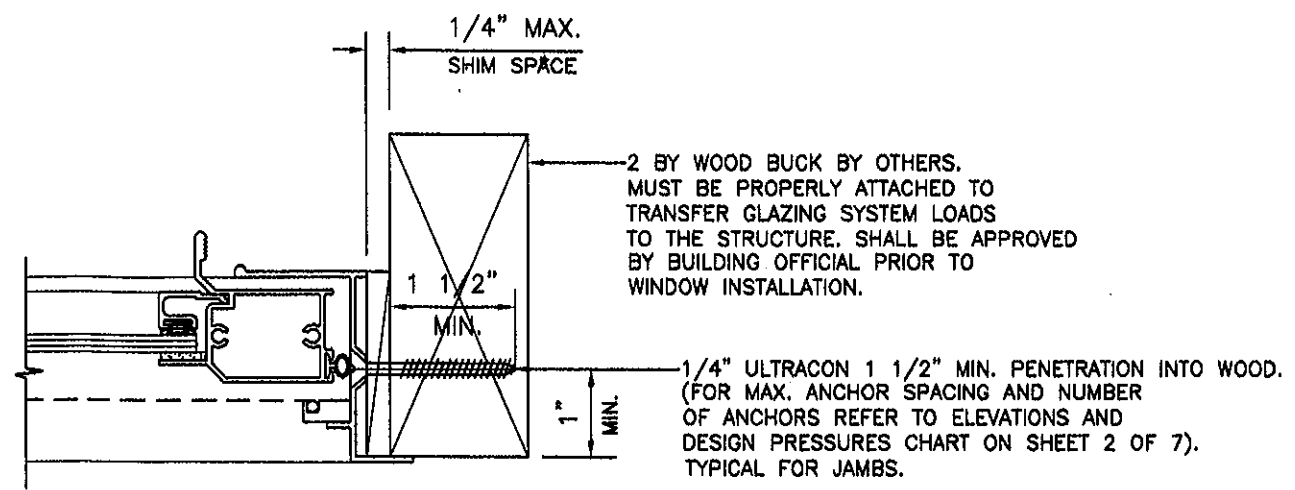
SERIES 1650 ALUMINUM  
HORIZONTAL SLIDING WINDOW (XOX)  
NON-IMPACT RESISTANT GLASS

NO	DATE	REVISION
1	03-09-12	UPDATED FOR 2010 FBC

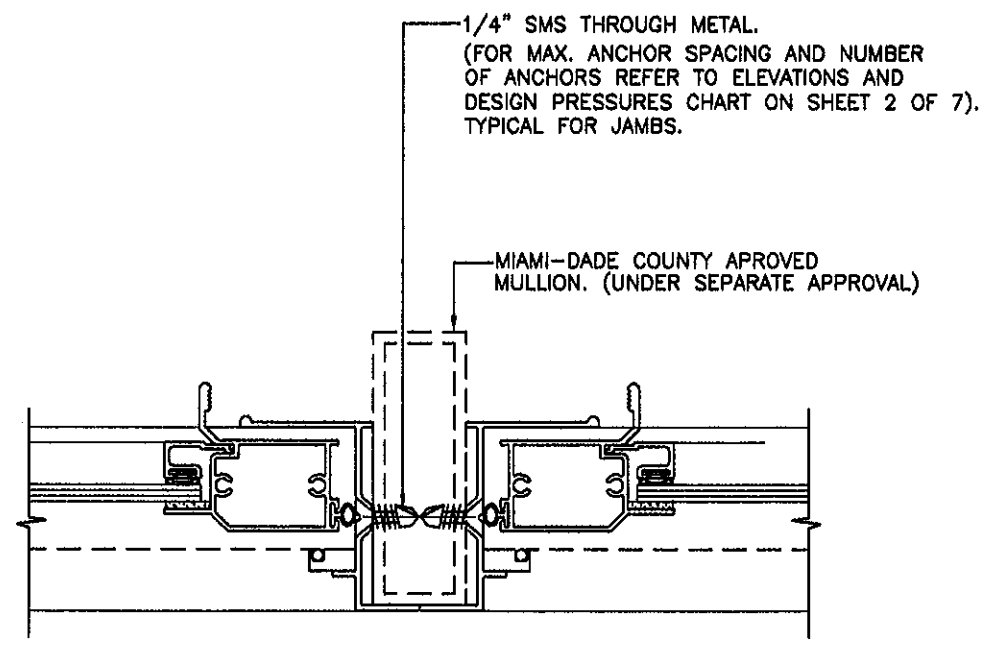
DRAWING No.  
HR08-01  
DATE: 07-29-08  
SCALE: 1/2"=1"  
SHEET 4 OF 7



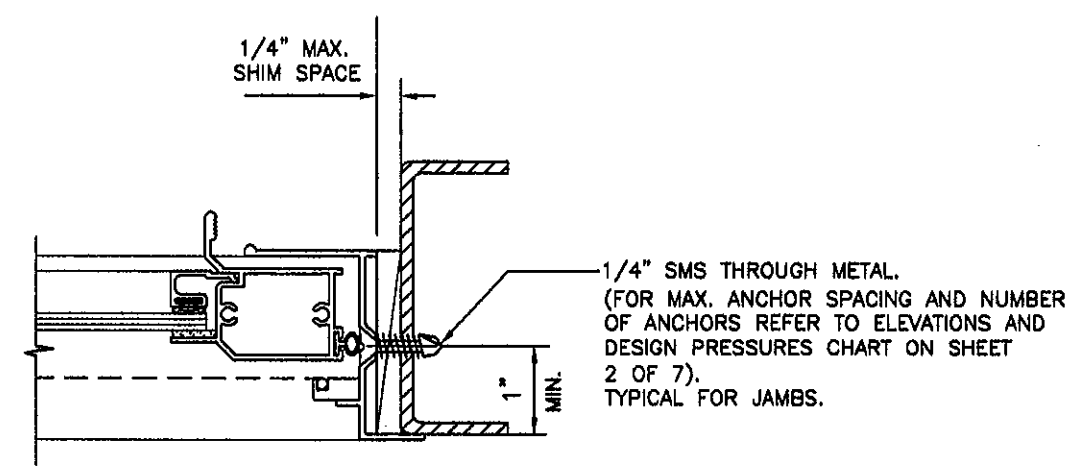
**DETAIL E1**  
**ATTACHMENT TO MASONRY**



**DETAIL E2**  
**ATTACHMENT TO WOOD**



**DETAIL E4**  
**ATTACHMENT TO MULLIONS DETAIL**



**DETAIL E3**  
**ATTACHMENT TO METAL STRUCTURE**  
(STEEL OR ALUM. 1/8" MIN. THICKNESS)

**TYPICAL JAMB SECTIONS**

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 12-0320.03  
Expiration Date AUG. 19, 2013  
By *Manuel Perez*  
Miami Dade Product Control

*Francisco Hernandez*  
3-12-12  
FRANCISCO HERNANDEZ  
FLORIDA PE # 51393

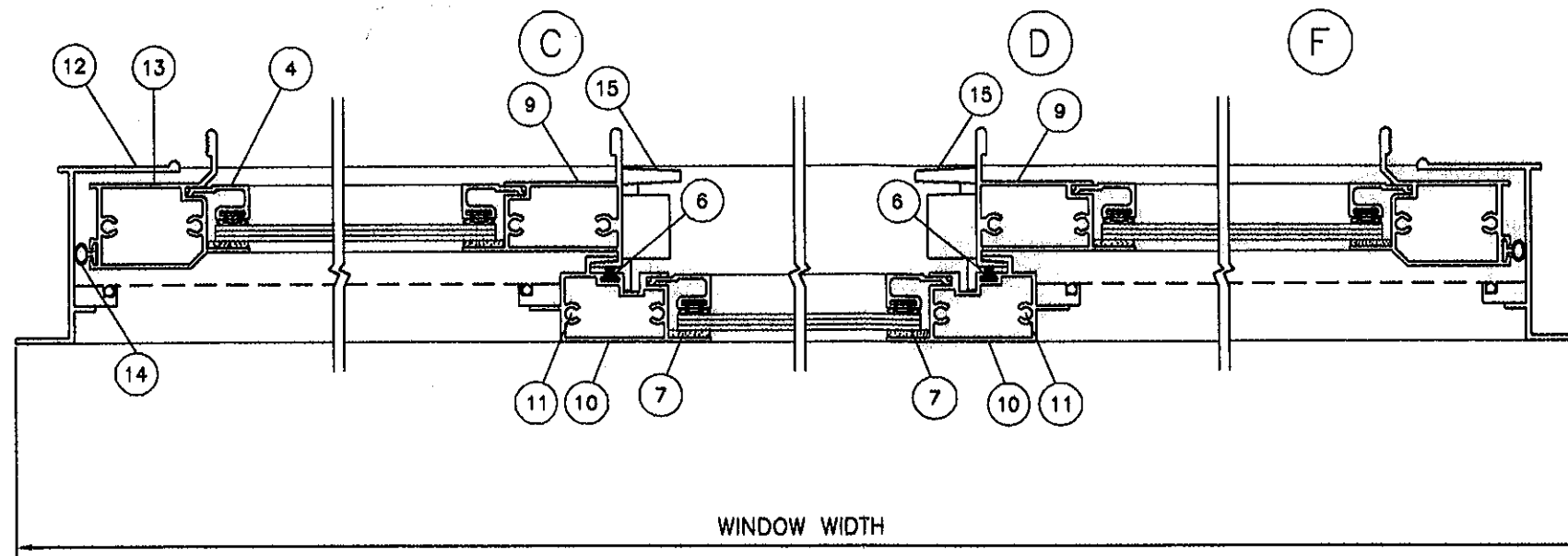
**Sunshine Windows**  
**Manufacturing, Inc.**  
1745 W. 33rd Place  
Hialeah, Florida 33012  
Ph: (305)384-8852  
Fax: (305)828-5118

**SERIES 1650 ALUMINUM**  
**HORIZONTAL SLIDING WINDOW (XOX)**  
**NON-IMPACT RESISTANT GLASS**

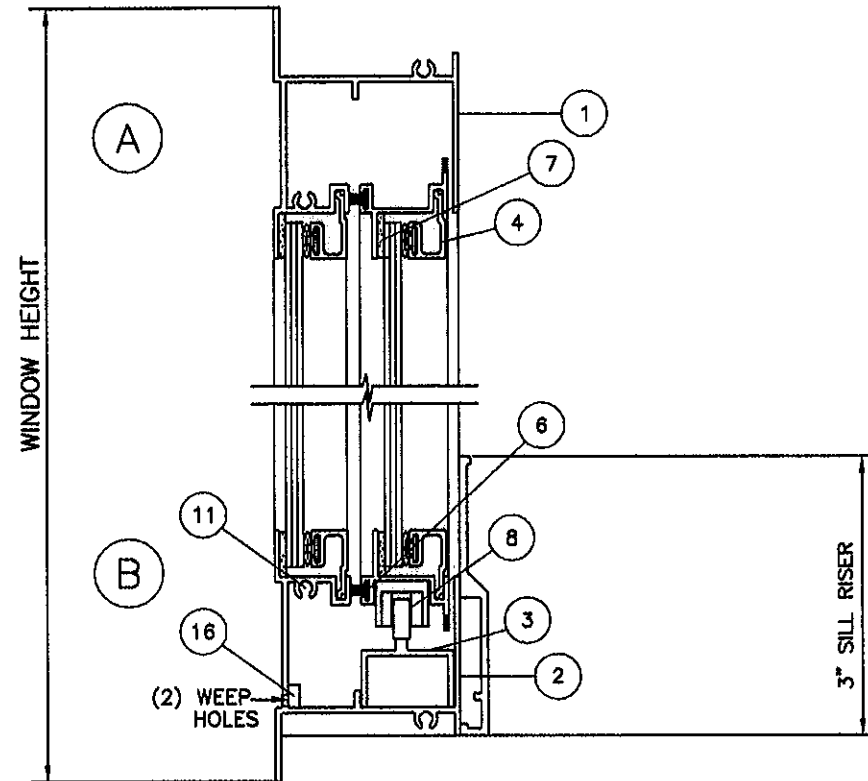
No	DATE	REVISION	UPDATED FOR 2010 FBC
1	03-09-12		

DRAWING No.  
**HR08-01**  
DATE: 07-29-08  
SCALE: 1/2"=1"  
SHEET 5 OF 7

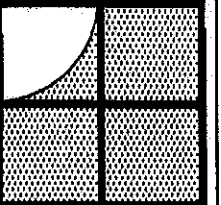




HORIZONTAL SECTION



VERTICAL SECTION  
WITH SILL RISER



Sunshine Windows  
Manufacturing, Inc.  
1745 W. 33rd Place  
Hialeah, Florida 33012  
Ph: (305)364-9952  
Fax: (305)828-5118

SERIES 1650 ALUMINUM  
HORIZONTAL SLIDING WINDOW (XOX)  
NON-IMPACT RESISTANT GLASS

NO	DATE	REVISION
1	03-09-12	NO CHANGE THIS SHEET

DRAWING No.  
HR08-01

DATE: 07-29-08

SCALE: 1/2"=1"

SHEET 6 OF 7

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 12-0320.03  
Expiration Date 06-19-2013  
By *Manuel Perez*  
Miami Dade Product Control

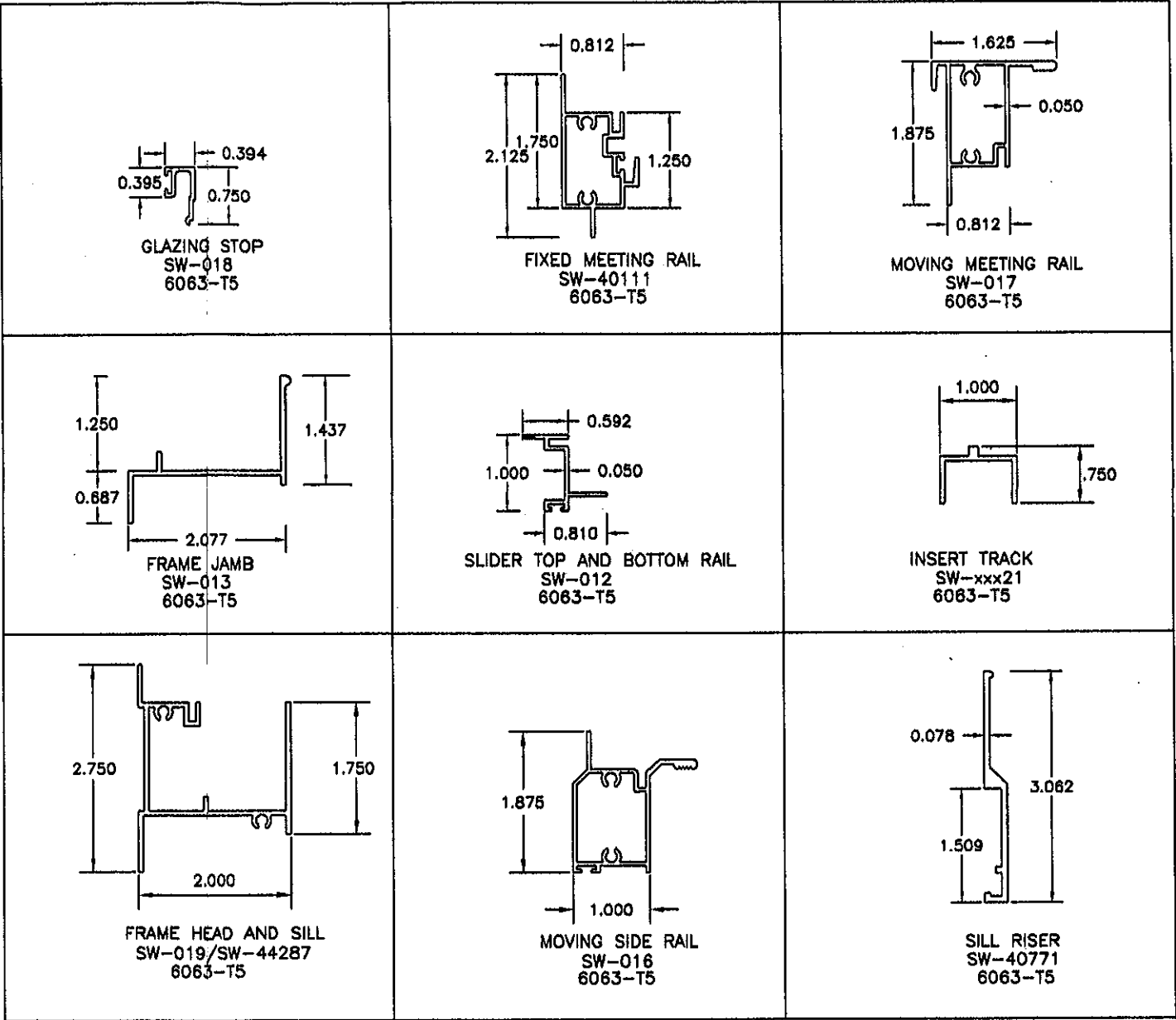
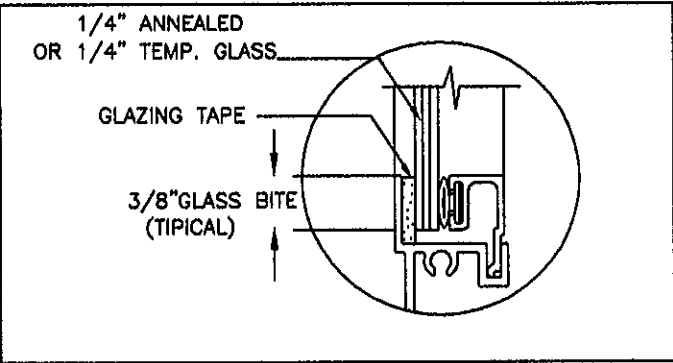
*Francisco Hernandez*  
3-12-12

FRANCISCO HERNANDEZ  
FLORIDA, PE # 51393

MATERIAL LIST

ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL
1	SW-019	1	FRAME HEAD	6063-T5
2	SW-019	1	FRAME SILL	6063-T5
3	SWxxx21	1	INSERT TRACK	6063-T5
4	SW-018	AS RQD	GLAZING BEAD	6063-T5
5	SW-012	2/VENT	SLIDER TOP/BOTTOM RAIL	6063-T5
6	SW3019	AS RQD	FIN SEAL PILE	FELT
7	SW1520	AS RQD	GLAZING TAPE	FOAM
8	SW321W	2/VENT	WHEEL	BRASS
9	SW-017	1/VENT	MOVING MEETING RAIL	6063-T5
10	SW40111	2	FIXED MEETING RAIL	6063-T5
11	SW-AS	AS RQD	ASSEMBLY SCREWS	# 8X1" PH PHILLIP CRS
12	SW-013	2	JAMB	6063-T5
13	SW-016	1/VENT	MOVING SIDE RAIL	6063-T5
14	SW3257	AS RQD	WEATHER STRIP BULB	VINYL
15	SW-667	AS RQD	LATCH	ZINC
16	SW-S10	2/SILL	RETICULATED FILTER	FOAM
17	SW40771	1	SILL RISER	6063-T5

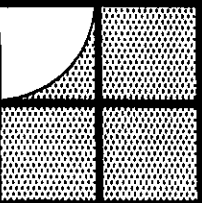
GLAZING DETAIL



PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 12-0320.03  
Expiration Date AUG. 19, 2013  
By *Manuel Perez*  
Miami Dade Product Control

*Francisco Hernandez*  
3-12-12

FRANCISCO HERNANDEZ  
FLORIDA PE # 51393



Sunshine Windows  
Manufacturing, Inc.  
1745 W. 33rd Place  
Hialeah, Florida 33012  
Ph: (305)364-9952  
Fax: (305)828-5118

SERIES 1650 ALUMINUM  
HORIZONTAL SLIDING WINDOW (XOX)  
NON-IMPACT RESISTANT GLASS

No	DATE	REVISION	NO CHANGE THIS SHEET
1	03-09-12		

DRAWING No.  
HR08-01  
DATE: 07-29-08  
SCALE: 1/2"=1"  
SHEET 7 OF 7